

We Claim:

1. An antenna system comprising:
a plurality of antenna elements for providing a respective plurality of
5 communications signals over a wireless channel;
an isolating structure, selectively positioned with respect to the antenna
elements, for selective varying signal isolation between the respective antenna elements.
2. The antenna system of claim 1 wherein the isolating structure is adapted to
10 selectively vary signal isolation so as to switch between a sectorized antenna
configuration and an antenna array configuration.
3. The antenna system of claim 2 wherein the isolating structure is a
removable structure, selectively received in a socket co-located with respect to the
15 antenna elements.
4. The antenna system of claim 2 wherein the isolating structure is a
displaceable structure, for selective displacement between an isolating position and a
non-isolating position.
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5. The antenna system of claim 4 wherein the isolating structure is hinged so
as to pivot between isolating and non-isolating positions.

6. The antenna structure of claim 4 wherein the isolating structure is adapted to be selectively retained inside a cavity, wherein the isolating structure is in the non-isolating position when stowed in the cavity, and is in the isolating position when not stowed in the cavity.

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7. The antenna structure of claim 6 wherein the isolating structure is spring-loaded to be selectively retained inside the cavity.

8. The antenna system of claim 4 wherein the isolating structure is formed of
10 a material having displaceable elements at a sub-macroscopic level, adapted to select between isolating and non-isolating polarization states.

9. The antenna system of claim 4 wherein the isolating structure is a louvered arrangement, adapted to select between a closed, isolating position and an open, non-
15 isolating position.

10. The antenna system of claim 1 wherein the plurality of antenna elements provide wireless communications over a plurality of wireless channels.

20 11. The antenna system of claim 10 wherein at least one of the wireless channels is selected from a group including 2.4 GHz and 5 GHz wireless bands.

12. A wireless access point comprising:

radio circuitry for exchanging an electronic network signal with a wireless signal;

an antenna system for sending and receiving wireless signals with a mobile client, the antenna system further comprising:

5 a plurality of antenna elements for providing a respective plurality of communications signals over a wireless channel; and

an isolating structure, selectively positioned with respect to the antenna elements, for selective varying signal isolation between the respective antenna elements.

10 13. The wireless access point of claim 11 wherein the isolating structure is adapted to selectively vary signal isolation so as to switch between a sectorized antenna configuration and an antenna array configuration.

14. The wireless access point of claim 13 wherein the isolating structure is a
15 removable structure, selectively received in a socket co-located with respect to the antenna elements.

15. The wireless access point of claim 13 wherein the isolating structure is a
displaceable structure, for selective displacement between an isolating position and a
20 non-isolating position.

16. The wireless access point of claim 15 wherein the isolating structure is hinged so as to pivot between isolating and non-isolating positions.

17. The wireless access point of claim 15 wherein the isolating structure is adapted to be selectively retained inside a cavity, wherein the isolating structure is in the non-isolating position when stowed in the cavity, and is in the isolating position when not
5 stowed in the cavity.

18. The wireless access point of claim 17 wherein the isolating structure is spring-loaded to be selectively retained inside the cavity.

10 19. The wireless access point of claim 15 wherein the isolating structure is formed of a material having displaceable elements at a sub-macroscopic level, adapted to select between isolating and non-isolating polarization states.

20. The wireless access point of claim 15 wherein the isolating structure is a
15 louvered arrangement, adapted to select between a closed, isolating position and an open, non-isolating position.

21. The wireless access point of claim 12 wherein the plurality of antenna elements provide wireless communications over a plurality of wireless channels.
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22. The wireless access point of claim 21 wherein at least one of the wireless channels is selected from a group including 2.4 GHz and 5 GHz wireless bands.